

Essential Fish Habitat project status report

Reporting date: Nov 2006

Project number: 2006-12

Title: **Habitat Influence on Rearing Condition and Overwinter Survival of Juvenile Capelin (*Mallotus villosus*)**

PIs: J. Vollenweider, J. Hudson, R. Heintz

Funding year: FY 2006

Funding amount: \$50.3K

Status: ☐ Complete ☒ Incomplete, on schedule ☐ Incomplete, behind schedule

Planned completion date if incomplete: Field work for year 1 was completed during the winter of 2006/2007 and was completed in April 2007. Chemical analysis of samples from year 1 was completed during the summer of 2007. Data summarization for year 1 was completed in August 2007. Field work for year 2 will begin in November 2007 & be carried out through April 2008. Acoustic analysis, data summarization, analysis and report/manuscript drafting will be completed over the summer of 2008.

Reporting: Have the project results been reported? If yes, where were the results reported? The project results have not been reported.

Results: What is the most important result of the study? Length frequency data for eulachon in Berners Bay suggests that age-0 fish experienced size-selective mortality between January and April 2007. Size-selective mortality of age-0 eulachon in Berners Bay was also observed in a winter 2004/05 pilot study, and linked to depleted energy reserves. We could not confirm the existence of size-selective mortality of age-0 eulachon in Fritz Cove as age-0 fish were absent in trawl catches.